0 5 JAN 2005 Rar'd PCTPTO

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 22 January 2004 (22.01.2004)

PCT

(10) International Publication Number WO 2004/007250 A1

(51) International Patent Classification7:

B60R 21/26

(21) International Application Number:

PCT/SE2003/000909

4 June 2003 (04.06.2003)

(25) Filing Language:

English

(26) Publication Language:

(22) International Filing Date:

English

(30) Priority Data: 0216211.3

12 July 2002 (12.07.2002) GB

(71) Applicant (for all designated States except US): AUTO-LIV DEVELOPMENT AB [SE/SE]; S-477 83 Vårgårda (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): FRICKE, Conrad [GB/GB]; Orchard Street, Chichester, West Sussex PO19 1DE (GB). MOORE, Jonathan [GB/GB]; 18 Rosemary Lane, Rowledge, Franham, Surrey GU10 4DD (GB). WHITE, Richard [GB/GB]; 16 Elmwood Avenue, Waterlooville, Hants PO7 7LG (GB).

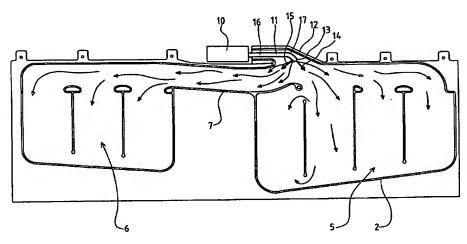
- (74) Agent: MEULLER, Erik; Autoliv Development AB, S-447 83 Vårgårda (SE).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: AN AIR-BAG



(57) Abstract: An air-bag arrangement is disclosed, which preferably takes the form of an inflatable curtain. The arrangement comprises a single inflatable element (2) and a gas generator (10), which is configured to inflate the inflatable element (2). The inflatable element (2) defines at least two inflatable chambers (5, 6). A gas-supply duct (11) is provided which has an end outlet aperture (19) formed through an end wall 18 of the gas-supply duct (11) so as to have a diameter smaller than the bore of the gassupply duct (11). The gas-supply duct (11) also has at least one side outlet aperture (20) formed through the sidewall of the gas-supply duct (11) at a position generally adjacent the end outlet aperture (19). The side outlet aperture (20) is configured to direct gas out of the gas-supply duct (11) in a direction substantially orthogonal to the direction of gas-supply duct (11) in a direction substantially orthogonal to the direction of gas directed to the end outlet aperture (19). The gas-supply duct (11) is arranged so that gas exiting through the end outlet aperture (19) is directed to one of said chambers (5), whilst gas exiting through the side outlet aperture (20) is directed to the other chamber (6).

